

Abstract of the Disclosure:

A honeycomb body includes layered or wound sheet-metal layers at least partially structured to form passages through which exhaust gas can flow. The sheet-metal layers are formed of a special steel with 15 to 25% chromium, typical rare earths necessary for resistance to corrosion at high temperatures and an aluminum content of between 1 and 4.5%. Such a honeycomb body with sheet-metal layers having a thickness of more than 0.06 mm, preferably 0.01 to 0.12 mm, is suitable as a catalyst carrier body for the emission control systems of two-wheeled vehicles or motorcycles, despite its low aluminum content. Sheet-metal layers of this type are even suitable for use in the emission control systems of diesel vehicles with lower thicknesses since the temperatures are lower in these systems, in general below 800°C. Sheet-metal layers containing between 1 and 4.5% aluminum can be derived from other production processes before the aluminum content is increased with additional procedures. As a result, the materials are available very economically.

LAG/tk